Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/21/2019 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125083	0	1.82	125149	1.83
Blue	F	SSC	125000	124515	-1	1.54	125315	1.56
Blue	E	FITC	16433	16082	-3	2.66	352	19.73
Blue	D	PE	27595	27404	-1	1.92	599	14.56
Blue	B	PerCP-Cy5-5	43183	42464	-2	3.62	1145	19.75
Blue	A	PE-Cy7	31943	31886	-1	6.10	614	39.71
Red	C	APC	42819	42534	-1	2.39	1504	12.01
Red	A	APC-Cy7	31261	30191	-4	2.29	801	11.71
Violet	B	V450	6527	6247	-5	4.37	349	13.12
Violet	A	V500	24533	23297	-6	4.13	543	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18071	9.71	610	10	N/A	N/A	Pass
Blue	F	SSC	56629	1.16	550	2	N/A	N/A	Pass
Blue	E	FITC	64	62.06	539	0	0.0205	112	Pass
Blue	D	PE	125	48.23	536	2	0.1593	240	Pass
Blue	B	PerCP-Cy5-5	210	49.06	646	4	0.0097	73	Pass
Blue	A	PE-Cy7	116	96.27	695	6	0.0114	12	Pass
Red	C	APC	358	25.20	581	-2	0.0250	167	Pass
Red	A	APC-Cy7	175	28.24	559	-4	0.0058	896	Pass
Violet	B	V450	53	62.73	448	-7	0.0630	2975	Pass
Violet	A	V500	81	33.78	459	-8	0.0217	664	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.27	-31.83	1.03
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.81	13.60 - 20.40	N/A	N/A	29.40	29.84	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9523

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments